



Fast SCSI Pro

Quick Installation Guide

Introducing Your *Fast SCSI Pro*

Your *Fast SCSI Pro* is a high performance, Plug-and-Play PCI-bus master SCSI host adapter which supports connectivity to up to seven external SCSI devices. These devices include: hard disks, tape drives, removable/MO drives, optical drives, CD-ROMs, CD-R/RWs, scanners and more.

Designed for use in PCs and MACs with PCI-bus slots. Your *Fast SCSI Pro* supports 32-bit data transfer across the PCI bus at speeds up to 133 MBytes per second. It supports synchronous data transfer rates up to 10 MByte/sec, and is fully backward compatible with all SCSI-1 devices.

The *Fast SCSI Pro* is designed for adding only external SCSI devices to your system. It does not include an on-board BIOS to support the boot-up function; therefore, it must coexist with an IDE or other hard disk controller.

Key Features and Benefits

- Supports up to 7 external SCSI devices simultaneously including: jaz/zip drives, SyJet/ezflyer drives, CD-R/RW drives, scanners, tape drives, MO drives, removable drives, optical drives, WORM drives, jukeboxes and more
- Supports burst data transfer rates (synchronous) up to 10MB/sec
- Non-BIOS Fast SCSI-2 host adapter--designed for external SCSI device connections
- Supports 133MB/sec burst data transfer rate on the PCI bus
- Works with various types of external Fast SCSI-2 devices including hard disks, tape drives, removable/MO drives, optical drives, CD-ROMs, CD-R/RWs, scanners, and more
- Full multitasking and multithreading support
- Bus Mastering achieves greater performance than PIO data transfer method
- Advanced scatter/gather, disconnect/reconnect and tag command queuing features maximize system performance

- Active termination ensures error-free data transfer
- Connector type:
 - External: One high-density 50-pin

System Requirements

For PCs:

- Pentium-Class computers with one available PCI slot
- Windows 3.1x/95/98/98SE/2000/NT4.0

For MACs:

- Power Mac™ G3 or Mac® computer with one available PCI slot
- MAC OS 8.1 or higher

Software Installation

The following sections describe the procedures for installing drivers to enable your *Fast SCSI Pro* to operate properly under specific operating system environments.

The *Fast SCSI Pro* is designed for adding only external SCSI devices to your system. It does not include an on-board BIOS to support the boot-up function; therefore, it must coexist with an IDE or other hard disk controller. Drivers support for DOS, Windows 3.1x, Windows 95, Windows 98/98SE, Windows 2000, Windows NT4.0, and MAC OS are provided.

Driver Installation for PC Systems

IMPORTANT

It is important that the SCSI bus hardware and operating system are installed correctly before proceeding further.

DOS/Windows 3.1 Driver Installation

Perform the following steps to install the driver for the MS-DOS/Windows 3.1x operating system:

1. Insert the *Driver & Utility CD* into your CD-ROM Drive. (Assuming D: is your CD-ROM drive).

2. Goto the folder "D:\AP-10_20\DOSWIN31" and copy all of the files in that folder (except the "image" folder) onto a floppy diskette.
3. Turn on your computer to boot to the DOS prompt.
4. Insert the floppy diskette you have just made into the floppy drive.
5. At the a:> prompt, type: **install** and press <Enter>.
6. Press <Enter> to continue and press <Enter> again to auto install the driver on your hard disk.
(**"Automatic Installation"** is the default setting for driver installation and is highly recommended on most cases)

The driver installation is complete. Remove the diskette and follow the screen instruction to reboot the system.

Windows 95 Driver Installation

Follow the procedures listed below to install Windows 95 drivers:

1. When Windows first restarts after installing the SCSI controller, it will inform you that *New Hardware Found*. Insert the **Drivers and Utility** CD-ROM into the CD-ROM drive.
2. Click "Next" for *Update Device Driver* and click on the "Other Locations" button.
3. Type in the path: "D:\AP-10_20\WIN95" and press "Enter". (Assuming D: is your CD-ROM drive).
4. Click "OK", type in the installation path from **Step 3** again when prompted, click on "OK", and "Finish".
5. Select "YES" to restart your system.

Windows 95 driver installation complete, the controller is now ready for device connection.

Windows 98/98SE Driver Installation

Windows 98 and 98 SE will auto-detect the controller and install the correct driver automatically. Please insert your Windows 98 CD into your CD-ROM drive when prompted.

Windows 2000 Driver Installation

Windows 2000 will auto-detect and install the correct driver for the *Fast SCSI Pro* controller. Insert Windows 2000 CD into your CD-ROM drive when prompted.

Restart your system if prompted by Windows. Driver installation is complete, the controller is now ready for device connection.

Windows NT 4.0 Driver Installation

The following instructions will guide you through the installation of Windows NT driver for computer systems that boot from an IDE drive or other SCSI host adapters.

1. Once a Windows NT session is established, perform the following steps:
 - Select "My Computer" from the *Main Desktop*.
 - Select "Control Panel" from the *My Computer* group.
 - Select "SCSI Adapters" from the *Control Panel* group.
2. Select the "Drivers" tab and click on "Add..."
3. From the *Install Driver* window, click "Have Disk..."
4. Insert the *Driver and Utility CD* into your CD-ROM drive.
5. Type in the path: "D:\AP- 10_20\WINNT" and click "OK". Select the driver name: "AdvanSys PCI SCSI Host Adapter" and click "OK". Type in the path: "D:\AP-10_20\WINNT" again and click "Continue..." to install the driver into your Windows NT 4.0 system.
(Assuming D: is your CD-ROM drive).
6. Select "Yes" to re-start your system.

Windows NT 4.0 driver installation is complete. The controller is now ready for device connection.

Driver Installation for MAC Systems

Anubis disk mounting and CD-ROM utilities are included to mount the hard disks and the CD-ROMs.

Perform the following steps to install the drives:

1. Start up your MAC computer.
 2. Insert the *Drivers and Utility* CD-ROM into the CD-ROM drive.
 3. Double click on "*SIIG SCSI*" CD-ROM Icon
 4. Double click on "*Anubis Extension Installer*" program icon
 5. Click on "*Install*" to begin the installation process
 6. Once the "*Installation was successful*" screen is displayed, click on "*Quit*" to complete the process
 7. The installation program will prompt you to install the **AutoCache and CD-ROM Extension Installer**.
 - If you are attaching a CD-ROM/R/RW to the SCSI controller, click on "*Install*" to continue and proceed to **Step 8**.
 - If you are NOT attaching a CD-ROM/R/RW to the SCSI controller, click on "*Quit*" and proceed to **Step 10**.
 8. Once the "*Installation was successful*" screen is displayed, click on "*Quit*" to complete the process.
 9. The installation program will prompt you to install the **Acrobat Reader Installer**. Click on "*Continue*".
 - If you already have Acrobat Reader installed, click on "*Decline*" and proceed to **Step 10**.
 - Otherwise, click on "*Accept*" and follow the on-screen instructions to complete installation for Acrobat Reader. Then proceed to the next step.
 10. Double click on "*SIIG SCSI*" CD-ROM icon located on your MAC OS desktop.
 11. Locate the file "*AdvanSIM*" and copy it to the "*Extensions*" folder.

Note The "*Extensions*" folder can be found in the "*System*" folder under your Main Hard Drive.
 12. Restart the MAC computer for the new settings to take affect.
- The software installation is now complete.

Using the Utility

The following utilities are located on the "*SIIG_SCSI*" CD-ROM. If you need further information on the bundled utilities, please refer to the *Anubis_Manual.pdf* file.

- a) **Anubis Utility v3.07-A:** This is a full featured utility that allows you to format, partition, mount, and initialize SCSI devices.
- b) **Anubis Mounter v3.07-A:** This utility allows you to mount, unmount, and perform limited configurations on the selected drive or bus.
- c) **Reader 3.1 Installer:** This utility installs the Acrobat Reader.

Connecting External SCSI Devices

You can connect up to seven external SCSI devices to your *Fast SCSI Pro* board.

NOTES

- Do not connect differential SCSI devices; use only single-ended SCSI devices. (Unless specified, SCSI devices you see in the store are all single-ended).
- It is important that you always use high-quality double shielded twisted-pair external cable.

The combined length of all cables is limited to up to 6 meters (19.8 feet).

1. Configure each SCSI device, such as a scanner or CD-R/RW drive according to the manufacturer's instructions.
 - a. Follow the rules for terminating SCSI devices. The *Fast SCSI Pro* and the last device connected on the SCSI bus chain should be terminated.
 - b. Verify that the default SCSI ID number set on each device is unique. If there is a conflict, reset it to an available ID (0-6, assuming board default of ID 7) following by the manufacturer's instructions.
2. Attach one end of a SCSI cable to the external connector on the *Fast SCSI Pro* and the other end to your SCSI device.

Note The *Fast SCSI Pro* requires a cable with a male high-density 50-pin (HD50) connector on one end. The type of connector on the other end depends on the external device you plan to connect.

If you are connecting more than one device, connect the cables between the SCSI devices in a daisy-chained configuration.

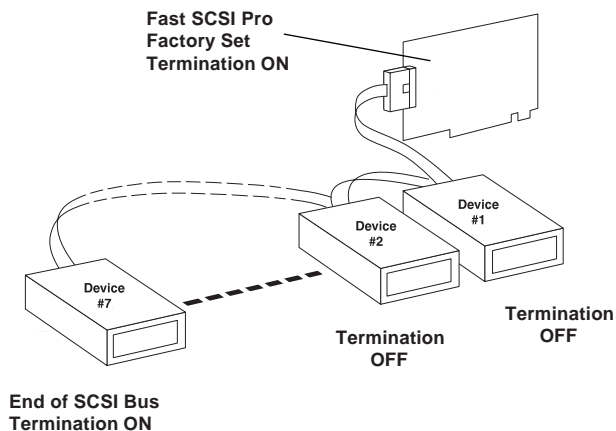


Figure 1. Connecting External Devices

Technical Support & RMA

Questions? SIIG's **Online Support** has the answers! Simply visit our web site at **www.siig.com** and click on the **ONLINE SUPPORT** icon for instant technical support. You may also e-mail us onlineat:

http://www.siig.com/technical_support_form.html

If you need additional help, Tech Support Specialists are available from 8:00 a.m. to 5:00 p.m. Mon. – Fri., PST at **(510) 353-7542**.

In order for SIIG's Technical Support to give you prompt service, you will need the following information.

Part Number: _____

Computer Configuration: _____

Return Merchandise Authorization (RMA)

SIIG warrants to the original buyer of the product that the hardware is free of defects in materials and workmanship for a period of five years from the date of purchase. If your product fails to be in good working order during the warranty period, you may return it to SIIG for repair or replacement at SIIG's option. To return a product:

Step 1: Call SIIG's RMA Department

Call the RMA Department at (510) 413-5333 for a Return Merchandise Authorization (RMA) number. **To get a RMA number, you must have your product serial number. The serial number is located on the side of the box it came in and on the back of the product.**

Step 2: Complete the RMA form

- Fill out the RMA form and include it with the product.
- Properly pack the product for shipping. All software, cable(s) and accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package and on the accompanying RMA form. **SIIG will refuse any shipping package, and not be responsible for a product returned without a RMA number posted on the outside of the shipping carton.**

Step 3: Ship the product

You are responsible for the shipping cost to SIIG at the following address:

SIIG, Inc. RMA# _____
6078 Stewart Ave.
Fremont, CA 94538

SIIG will ship the repaired or replaced product via UPS Ground or US Mail at no cost to you.

PRODUCT NAME

Fast SCSI Pro

MODEL NUMBER

SC2475

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B

OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. *Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*

FCC NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or TV technician for help

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

**THE PARTY RESPONSIBLE FOR
PRODUCT COMPLIANCE**

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